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32-4852: Recombinant Human Sirtuin-5

Alternative Name :	Sirtuin 5,NAD-Dependent Lysine Demalonylase And Desuccinylase Sirtuin-5,Mitochondria,NAD-Dependent Protein Deacylase Sirtuin-5 Mitochondrial,Silent Mating Type Information Regulation 2 (S.Cerevisiae) Homolog 5,NAD-Dependent Deacetylase Sirtuin-5,

Description

Source : Escherichia Coli. SIRT5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain topological domain containing 300 amino acids (34-310 a.a) and having a molecular mass of 32.5kDa. SIRT5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. SIRT5 belongs to the Sirtuin family of proteins, homologs to the yeast Sir2 protein. Sirtuin family members hold a sirtuin core domain and grouped into four classes. The protein encoded by this gene is included in class III of the sirtuin family. Human sirtuins functions were not yet determined; still, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies propose that human sirtuin could operate as intracellular regulatory protein with mono-ADP-ribosyltransferase activity.

Product Info

Amount :	20 µg
Purification :	"Greater than 90.0% as determined by SDS-PAGE."
Content :	SIRT5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSARPSSSM ADFRKFFAKA KHIVIISGAG VSAESGVPTF RGAGGYWRKW QAQDLATPLA FAHNPSRVWE FYHYRREVMG SKEPNAGHRA IAECETRLGK QGRRVVVITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP EPGTQDASIP VEKLPRCEEA GCGGLLRPHV VWFGENLDPA ILEEVDRELA HCDLCLVVGT SSVVYPAAMF APQVAARGVP VAEFNTETTP ATNRFRFHFQ GPCGTTLPEA LACHENETVS

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